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POST WAR AMATEUR RADIO

-- By J. W. Ballinger. VK3NK --

Seeing the request for entries for the "Essay" on Post War Amateur Radio, especially from VK3 members. I will try to the best of my ability to express my views on this all important subject. Firstly, the important question of whether W.I.A. should have permanent staff or not - definitely I think that there should be a permanent staff on lines similar to the A.R.R.L., although not quite so elaborate, but with a good technical staff to help amateurs as occasion arises and to improve the technical articles in "Amateur Radio." Also a good secretarial staff to handle the correspondence that will greatly increase after the war as more and more amateurs join W.I.A. On the question of frequencies I think that the lowest frequency band (200 meter phone band) should be omitted and more use made of the 28,000 & 56.000kc/s bands. There should also be a section of the 3.500, 7.000. & 14.000 kc/s bands alloted to phone transmitters and a section of these bands alloted to CW transmitters, so as to reduce QRM etc. More field days should be organised by the different sections in each state, especially for 28,000 & 56,000 kc/s communication and experimental work.

On the subject of power I think that an increase from the present 25 watts to 50 watts should be granted by the P.M.C. and after a certain ported if the operator has not caused any interference to breadcast listeners and has efficiently shown that he is capable of using high power, his division of the W.I.A. should have the power to grant him a further increase in power up to 100 watts. I also think that all transmittors should be crystal controlled and a monitoring post established by permanent staff of W.I.A. to keep a check on the quality of signals transmitted by the different amateur stations.

I also think that every ametour should be a full member of the W.I.A. and holp make it a bigger and better organisation. It is for the good of every amatour sation to have a good representative body at the head of ameteur radio in this country. I think that when the new call lists come out at different periods during the year the W.I.A. should put their pamphlet "organisation and advantages of membership," before all the new amatours and try and get their help

in getting amateur radio on a sound focting in Australia. I definitely think that the P.M.G. should invest in the W.I.A. a larger degree of control over amateur radio than has been given in the past. I also think that the Service and Civilian Dofence Reserves should be organised and maintained by means of a government subsidy. My ideas of the post war Amatour Radio Station are that the station be crystal controlled with a power of up to 50 watts, and capable of operating on all the frequencies alloted to Amateur Radio, also that the station have a very efficient method of monitoring and checking of frequency, the receiver be a superhet. A directional antenna system would also be a great asset. I think that amateurs should also be given the same privileges as in pre-war days, except that they be granted an increase in power from 25 watts to 50 watts, and normission to carry out television experiments if they so desire. Another vory important matter I think the W.I.A. could help in would be in the organisation of a communications system in the fire areas. living in the area of the disastrous grass fire which wiped out the town-ship of Derrinallum and miles of country around the district. I know from first-hand information what a terrible job it was to get any news through as all phone wires were down and the only means of communication was by a car necessitating a journey of from 30 to 50 miles or more, whereas if the amateurs of this district were organisod they could handle the emergency traffic and help the bush fire fighters to get a better idea of how the fire is going.

No the Institute's Magazine "Amateur Redie," I think that it could be improved in a number of ways. The technical criticles could be made larger and cover more fields of the technical side of amateur radio. A EX celums on the same lines as the "Bow's EX" column of Q.S.T. would also, I feel sure, be very much approxiated by the momeors who are interested in the EX side of amateur radio. Also the different section notes in each of the divisions could be improved by the W.I.A. offering a small annual prize to the station that is most consistent in sending in it's monthly report - a correspondence section whereby amateurs could air their views on matters of inferest, grouches, ote.

Amatour radio clubs in the areas where there are a number of amateurs would be abounfit to the presention of smateur sour radio. In the matter of competitions, I think there should be at least one for the amateurs out where there are no aC mains, and they have to reply on "B" Eatts or wibreter unit for power. The real low power amateurs do not have much chance against the high power amateurs, I think something should be done for the low power chaps in the way of a low power competition. I think that the international contests should still be held as they always create a great deal of interest in the world of amateur radio - I think the competitive spirit should be fostered. The Q.S.I. Rurous should be continued in each of the divisions as it was such a great success in pro-war emateur.

"UTILITY" VALVE VOLTMETER

The instrument to be described makes no pretones to displace the more conventional valve voltmeter employing a sensitive moving exil movement (probably in the micro-supre range), not does it claim a very high standard of accuracy. Bether has it been designed as "utility" instrument requiring, for its construction analy components which the average amateur is already likely to persons, where the same time its sensitivity is quite high, full said officientains of the same time its sensitivity is quite high, full said officientains and partily by ritue of the robustness of the movement and partily by ritue of the robustness of the movement and partily because of the DC amplifier valve it is practically impossible to damage the instrument by covarioading.

The arrangement employs a DG amplifier following a grid-look dotector and due to the phase reverse which takes rlace between the dutector and the amplifier, the meter scale reads from left to right.

The action seems to be as follows:- After reliminary heating up, the potentiemeter RI is adjusted until the motor indicates zero on the dial. This is an arbitrary point but obviously as far to the left as possible so that the meximum longth of scale is available for calibration. The voltage to be measured is now applied across AB. The positive pulses transferred to the grid of VI by way of Cl cause a FI to be developed across the grid lock RE which biases the grid negatively and so reduces the aned current. This reduces the voltage drop ever R3 with the result that the potential at the point P rises. This reduces the bias on the grid of VE by way of R4 with the result that the result that the result that a increase in anode current takes piece in V2 which is indicated on the motor.

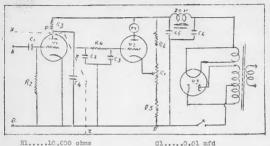
RA, C2, and C3 form a filter system which smooths cut the pulsating DC and prevents excessive vibration of the needle. The time constant of this filter combination can be varied to provide any degree of demping for the movement, which may be desired.

The components within the area bounded by the dotted line XYZ constitute the detector unit which is separate and detackable. The valve is an RF periods compared as a triede. The idea is to use a the having a top grid connection. The tube is surmounted by a shield which earths to the motalizing of the valve, and inside this shield are the grid loak and condensor. The terminal k is mounted in the centre of a disc of polystyrone or other suitable insulation covering the ond of the shoid.

For audic and lower frequencies this unit can be plugged straight to main unit. For weisureset of higher frequencies however, a flexible straight has been made. One and of this lactification with a spin 7 pin plug, while the other terminated in a valve holder into villed the datasets ruit can be plugged, the other ond

of the extension toing inserted in the scelet from which the valve has been withdrawn. The terminal a con now be brought right up to the position where measurements are required. The extension carries the hatter and power supplies and a by-gas condenser 04.

The resistors which form the voltage divider across the ET need to be of ample rating as the whole of the current for the amplifier stage frus the blooder current must be carried.



R1....10,C00 ohms R2....10 megohm R3....0.25 " R4,...2 megohm R5....5000 ohms R6....60,000 ohms

C2,3...3.1 mfd C40.001 mfd C5,6...4 mfd V1....MS pon B V2...MH4

CALERRATION.. Owing to the high value of grid loak and comparatively large caracity of grid condensor, the reading approximates vory closely to the peak value. If, therefore, the instrument is likely to be used to measure complex or peaky waveforms, this fact must be remembered if calibration is carried out at 50 c, s AC (RMS)

For this instrument the zero was chosen at a value of plate current of only a few microsmpures above cut-off, where the characteristic is not by any means straight, with the result that the adjustment of this point at each time of use is rather a tick-lish job. It would have been better to have chosen a valve of one or two milliangs where the characteristic is straight. It will be found that the ealibration is longuithmic in character so that the

scale is more open at low readings -- a distinct advantage.

FERFORMANCE: .. After allowing a warming up period of about 15 minutes, the motor remains fairly stable and an accuracy of 2 or

or course. If however, the most supported if readings are made as required. If however, the moter is connected in circuit for long poriods, the chief limitation of most DC amplifiers makes itself apparent. This is due to the very great difference between the static (no reading) and deflected conditions in the meter circuit. Under this latter condition of use an error of over 5 precent had been noted, If, however, the zero is reset by adjustment of R1 as required, the performance satisfies most requirements.

No serious attempt had been made to extend the range of the instrument except by an input potential divider made up of a chain of high resistance looks.

The instrument has been used in making measurements on gramephone pick-ups at frequencies between 8 Ke/s and 25 o/s and its low runge has made it very useful in this connection. It has also been used to measure induced voltages across resenant circuits up to as high a frequency as 14 Ke/s and although it begins to lead the circuit semewhat at this frequency, it has very little effect on, say, the scillator of a breadest superhot.

From R.S.G.B. Bullotin.

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LUMINISCENT MATERIALS

Dovelopment of new and highly efficient luminiscent materials by scientists in RGA Laboratories gives premise of opening of new fields of activities in the post war era, according to an article by H. W. Leverenz.

He points out that phesphere are unique in being able to convert electric power into white or colored light more efficiently than by any other known practical means. Also they can store light for contribition time intervals from less than one hundred thousandth of a second to more than twenty-four hours, and can instantaneously transform invisible radiations such as cathode or ultra-violet rays, into visible light.

Possible used for phosphore are stated to include intense light sources for sound recording and theatre projection, inexpensive illustration of workplaces and homes by using phosphor crystals in fluorescent lumps, luminiscent plastics to make night time safer and more colourful, and phosphora emitting specific radiations for controlled treatment of living tissues and organisms.

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AMATEUR TEST EQUIPMENT REQUIREMENTS

By

Charles C. Quin..VK3WQ

- It seems that in post was Amsteur Radio the Ham will have to justify his oxistance as a Bam to the full extent of his Licence. By this is meant that an AOOP is granted for the express purpose of "carrying out experiments in wireless transmission."
- In the past, many of us new please don't take offence were in EMR Radio mainly for the purpose of one or two reasons. Firstly the class that may be called DK fields, who put so much time into the search for that clustwe DK that all thought of experimental radio was put into the background. Secondly were these chaps who had to entertain the BGL's.
- Now I don't want to start a commotion amongst readers who may think that this article is written to "jack" on to the abovementioned classes of Pam, and I am not writing this with the express intention color causing a special section to be started in this Magazine to dispuss the subject. Suffice to say that you take it as read and chow the support, keeping in mind what is monitioned in the first pragraph. ——Wythingset, that off my chost to continuo.
- Whenever a new rig or receiver was contemplated, it was usually prespected by fall article in acateur Radio or some other magazine develop spreadie. A frantic scanding through the junk box or old discarded-equipment brought to light most of the necessary components and the balance was purchased from your favourite radio store and the apparatus was then put together and bested.
- On the other hand however, you may have been more experimentally moded and 'doped' out your own circuits, and methods of construction. A search of radio stores for parts then followed to obtain the required standard of accuracy within a cortain percentage.
- It is intonded to give over a poried a short review of tost appearatus of a pature which the average Rem can afford and which will give the required results. This article deals with the first place of essential equipment, and it is intended to give a talk and domenstration as each article appears in Amatour Radio for that particular month. These talks will be given each month at the Victorian Division meeting, and anyone unable to attend the meetings and is interested in the subject are invited to center "A.R."
- With the trend to the use of higher frequencies much more accuracy of values is necessary in order to obtain the required results.

A means of measuring those parts will then be apparent and a bridge of some sort to check up the components to be used is found necessary. The following is a suggested bridge to suit the limited means of most hams. The bridge has already been written up in this megaz ine for May 1941.

Whilst no claims are made for EXTREME accuracy within a contain percentage it is quite accurate enough to show if a condenser is .01 or .099 or .11

This bridge can also be used to indicate the power or less factor of condensors on the higher capacities which can be read directly by means of the 2500 ohm potentiometer in series with the 1 mid standard.

To check up on the lower carcities the amount of "fuzzy" or resistor.

A worth-while addition to this bridge is the meen tube leak indicator, which by its frequency of flash indicates the condition of the condensor. A good condensor will only flash on application of voltage, whilst a poor one will flash at short intervals.

Maturally good stindards are are absolutely necessary, and also good quality switches for changing from one standard to another. Good regulation from the power supply is also necessary for the best results, and if possible a voitage regulator tube should be used.

When building up this bridge, care must be exercised to keep the grid of the eye emay from all other leads or false readings will result. A good feature is that the "cold" side of the bridge need not be earthed or on the other hand, any components under test need not be entirely disconnected from any apparatus being checked—it being only necessary to ensure that the "hot" side of the bridge to be connected to the free end of the component under test. this is providing the apparatus is not earthed or connected to the light mains.

Resistors from 10 ohms to 30 megohms and condensers from 10 mmfd to 30 mfd can be checked with an accuracy of between 1 and 5 per cent throughout the whole range.

Operation is the same as tuning a signal to zero beat..i.e, when the eye is fully open the value of the component under test is ten read off the calibrated scale. It will also be noticed even on the extreme ranges of both capacity and resistance the eye will open or close over "resonance" and the effect will be noticed as the slider goes over each turn of wire on the resistance strip of the potentioneter. Quoting this points out that a good quality potentioneter is essential.

This article together with a circuit will be continued in next months issue.

THE TECHNICAL LIBRARY

THE TECHNIQUE OF RADIO DESIGN .. E. E. Zepler (Lond, 1943)
311 pages .. 35/-

RADIO RECEIVER DESIGN...K. R. Sturley. Part 1 R.F. Amplification and Detection (Lond. 1943) 435 p.---48/6.

These books are grouped together in this review for several reasons, they cover the same ground, are both by Marconi engineers, both appeared at the same time and they are both in the top line of radio manuals. The only difference of any importance is that Sturley deals with his subject more fully than does his colleague.

There has been, until the appearance of these two books a total lack of any work devoted entirely to receiver design, but that position was been well and truly remedied.

The following is a summary of the chapter headings in Zepler's book and although the chapter headings in the other book are not the same, the material is substantially the same. Symbols, Usoful Formulae, Fundamental Theoretical Facts, Trunsfer of Energy from the Aerial. The amplifier Stage, Problems of Detection and Proquency Changing, Selectivity, Receiver Noise, Gain Control, The Principles of S creening, Undesired Feedback, Hum and Spurious Beats, Distortion, Purasitic Resonances, Power Supply, Routine Newsuremonts, Fault. Finding. (It must be understood that Sturley covers only the R.F. and detection end, Fart 2 of the book is in the pross).

The best chapters in both books are those dealing with herial coils and with Screening. Either of these books can be heartly recomm ended.

TIME BASES ... SCANNING GENERATORS.
O. S. Puckle (London 1943) ... 2 04 pages ... 26/6.

An excellent specialist volumes dealing with a subject that has a surprisingly wide field. As may be seen from the following summary ... Introduction, Time Base Mave Forms, Typas of Time Base — opported from AC supply — from DC supply, Bard Valve Typas and externally operated. Then follows Trigor Circuits, Blocking Oscillators and Inductive Time Bases, Folar Co-ordinate Multiple and Volcoity Modulation Time Bases, Linearisation of the Trace, Push-pull deflection, Synchronisation of Time Bases, and use of a time base for frequency division.

After passing for breath Mr. Ruckel then dives into a bunch of Appendices (the literary kind of course) as follows: The Cathodo Ray Tubo, The Curvature of the Charging Chirectoristic. The Characteristics of a Gas Discharge Tubo used as a Time Base Discharger Valvo, Differentiating and Integrating Circuit. The Cuneration of Square Waves and ato oto.

SLOUCH HATS and FORAGE CAPS

Weil, I simply hate to say it, and it is no doubt horesy or fifth column, or the act of a culsiing, but. Phank goodness for Victoria, as without them this mouths notes would just about case at the beginning. I often wonder where all the lads who wers to supply me with notes (one from each state) are????? Any VKCJ,4,5,6, or ? wanting the job please advise me and I will fix it with the Manpower. Hi! Gee, when I read that first sentence I am of the opinion that I had better keap assy from the VK2 Division Meacing for a year or so. Hi!

Staff/Mgt Peter Vegper VKZPV has come to a seg at ingleburn Camp Hospital after cuite a bit of touring round, including a trip to Papua in the early that days up there. So if the medicine tastes crook at the camp, you know who to blame. H! But crook medicine is, as some used to maintain about RAC (the "R-or" the better) it gets

to the right spot.

Petty Officer Jim Kerley has moved South again and may be found at the Naval Depot at Flinders. Last time we menticued Jim in this page we gave him a few letters after his name, which moved him to write a letter correcting our mistake. I've left the letters cut this time but would be pleased to receive a letter (3NY). Incidentally, a laddie named Burke who worked with you, Jim, stays just near 270s.

WKNEC. We are indebted to Ers. E. Cook of Swan Will for some news of her husband Sgt. E. Cook of the RALALE. 2000 has been stationed in the Darwin area for some time now and we understand that he is fairly close to Darwin. He is attached to the Office of Engineering Production at Headquarters, and is with a mobile unit. His address is Group 34, and he would be pleased to contact any other hams in this area (there must be oute a few, om., including, now MRI..SYC)

In Group 571 Darwin are ANN Cpi Ted Kanifold, and also Cpi. Clem Day 357. Buth of these are looking forward to a spot of leave after fifteen months service up there. Both Ted and Clem have stuck together from the commencent of the initial course over two years ago. Also in this Group is F/Lt D.C. Stalker of Colac, better known as WESKS.

Sqd./Ldr. Fat Boyd 3PB who recently figured in some good work up "morth" is also stationed in the Darwin Area, after his long spell overses.

It. Jack Devie WEAFf is OC of a Radar W/Shop in WKA. He says "boy of boy, wait till I get hank on the air spain., have I got some bright ideas. Hi!" ... just baren't we all .FTC. However Jack has new o yi a Fgt. in charge of some of his equippert, and who halls from WKS, so I guess she has some 'bright ideas" for Jack, as all good whree have for me all, NII.

Had a visit the other day from W7724, whom as is the case with all hars at 2YC, we were very pleased to see. This lad is a pretty silent worker. Came to VK3 in '42, and somehow or other misses you all there. Put in Morthern Which he swruck 4EC. thence to Brisbane and more homs, then to Sydney to see VKE/",O', CARG and others. Liven took a dash up to Camberra to see SID. He didn't know the Havy up there was full of Hans and may even make another trin. Norm is "sold on the Aussie Ten iden" and when he gets home the family had better get good and realy to cuit "cawfee" and get on to ter. Hi! Norr is . t present at Milne Boy.

S.T. Ted Peppercorn 2 J is out of New Guirea and fondly hopes he hever sees it again..at least the parts he knows already. Tel received a notice with an awful red remark "This and Final Notice" ... but the other to haven't cought an vet. Ted a sire is taken up now with instructional work and looking after a W/r workshop. He wants to know where one gets 16 gauge cadmium platel steel boxes and chassis

made up...the answer Ted is "where, of where".

Jack Coulter 3"V is now Telegraphist on H. V.A.S. Mildura. . kcoping the sea lines open someth re in the West or burned. He reports having Tod Marley 40J as a passenger on one trip. T. ken all round his suck with Hams has been right out. "Opt" Bligh Wil was on bound and he missed him and worse still while in a US In val mase a Yank Lt. or Cpt. put head in the cabin door and called out "ary Hals hare." Dut, alas, for 3MV, he just couldn't answer at the marent and when he could chase that yank he was gone forever. Hil 3.7 thinks the call was W7EYD.

Charlie Miller 4MS 'ZADF is stationed at Amberlay, but would much prefer to be closer to the Jur. one Ian Charles and his older pister Heather, Chas thinks that possibly he may not be on the air quite so much after the War. Hit

VA3JR another ex 200 mx man in the R.a.A.F. has the rank of Fit/Lt Chris Rainbow. Chris rites "At present I am Inspection Officer covering on area from Onslow to Albany in V.A., travelling by aircraft or com. Naturally radio is a section of the work I am interested in. In the Service I have not have from all parts of the world and inter's ing regchevs were industed in. Met Col, Ferguson VK5CJ on my ...s' leave. He was then a W/O Signals R.A.A.F. and was going for his J. W. I sion. "

'c. ... I know how I've waited and waited for Sqd/Ldr Arthur Waltz 44 .. visit me and dig out the air-raid shalter. Well he arrived OK the chic Schurday and when I opened the door he harded me a me ical our mate saying "Malarial pa lost, too sick to work; !! An officer huh 30 he sez - but a well I .sk you!!! Glad to see you anyway Arteur and I'll keep the job sopen for you" His

and shit just lear a me a little spect to put in what is called my "usu. 1 v.nga". You can all sing is with me "where's those notes"??? The Cha is Jim Corbin, 78 Malorey St, Eastlakes, Lascot and the 'phone number is MU1092 ... and Home are always release.

DIVISIONAL POTAS.

- NAT SOUTH WALKS DIVISION -

The August General Macking of the Livision was held at Y.M.C.a. Buildings on Thursday 17th August. The Libertainee was quite a good one and the Chairman in columning the medium good extended a welcome to Butty Officer Telegraphist Frank O'Dryer MICE, Surgeaut Herry Honed VEZITY Cofficer Telegraphist Frank O'Dryer MICE, Surgeaut Herry Honed VEZITY Forman Jannin TYPAL, Jorf Savage VEZACT and Alex Borlan ex-YET.

Members were informed that a re-shuffle in Office Fearers had taken place since the last General Meeting both the Secretary W. G. Ryan VESTI and the Chairman R. A. Fricele VasRa having asked Council to relieve them of the various cuties attached to these Offices. As a result of this re-shuffle the Meeting was informed that "al Ryan WISTI had been unanimously elected Chairman and Mr. Chas. Higgins Wall was the new Secretary. It was decided to place on record the Division's appreciation of the stirling work performed by 25A as Chairman of the Division, a position se had occupied for the past few years. The new Chairman VKCTI states that upon many occusiors he has been given all the credit for the s.C.W. but this was not true as SRA, and he alone, was responsible for planning the scheme. ETI also went on to say that curing his eight years as Secret.ry of the Division he had been associated with three Chairmen, all of whom has been a tower of strength to the Institute, but of these three men, he filt corifornt in saying that 2RA had had a most sifficult job in guiding the Institute during the war years and for that reason alone his work has been of the utmost value, and that he was entitled to be numbered among the stalwarts of the Institute.

The meeting was informed that the Rushfires auvisory Committee has requestee the Institute to obtain a Cersus of Rediment and available Personnel in order to imagginate a Bush Fires Radio Network. This is good news for Country Austerns and by now you should have received a questionnaire in cornection with this matter. The B.Z....C. were arxious to cut this schowe into a cration immediately but before committing the Institute to any action it was felt that it would be preferable to have some knowledge of what would be available. It is fully realise, that quite a number of Country maters are on Service and that others left the Country for the City. One thing is certain however and that is this, the Network will go into operation as soon as goosible even if only on a small scale and thus provide a musleus for the time when the boys come home washin.

Briefly the scheme calls for a number of nortable transdeivers to operate at the scene of the fire, which is season to maintain communication with the Pirefighters and the town. It is unticipated that frequencies will be in the 1-3 megacyale band.

Many times in the past the value of the B.C.M. has been stressed as a means of demonstrating the value of the Australian Amateur to the powers that be. Here is the first evidence of that demonstration. If the Australian Amateur is to take his blace in Emergency Communication in the very rapidly approaching days of Peace the most important avonce will be Relief work and what more important to Australia is the control and eradication of Bushfires.

When the S-C.N. was first fursed guite a few Cruntry Lmateurs felt that they had been left out in the sold and that their interests had been overlooked. Ferhees they had ease reason to keel this way but it was pointed out at that barthoular time that the finitional had no say in the location of stations. The Boshirpes Net should be an answer to this criticism. Grate it fellows. Resember the size of the scheme will daysed entirely upon the response to the circular.

The British Broaucasting Corporation are anxious to make comparisons with their Pacific Service ind that of the Germins, and has asked the co-operation of experienced listeners. The Senior Addio Inspector has asked the assistance of the Institute in this matter and this had been willingly placed. The Tusts will be held over the first seven days of each month September, October, Movember, December and Recorf Forms will be sent to infteen different members on the Division each month. Every member who receives a circular is asked to co-operate and remember this, you are only asked to do this one month. By this mouns it is intilipated that every member of the Institute will have participated and thus an excellent cross sectional caverage will be obtained.

At the conclusion of General Business, three informal talks were given by the visitors commencing with P/O Tel W. Harris, who gave a vivid description of the action off Guadalognal and the sinking of H.M. N.S. Camberra - on which he was stationed at the time, and gave the lie direct to many rumors as to the actual coars of her sinking.

Wilf was followed by Surgeant Harry Mondel who gave a humorous description of the difficulties encountered when Radio gear went "troppo."

Our American visitor turned out to be one of the quietest of the Species that we have yet encountered and can't understand why the W6's could work the VK's so easily. He reckoned it was all in the question of intennes. Some of the lass dign't altogether agree. In fact they had a bit to say about the "California Kilowatt."

The next General Meeting of the Division will be held at Y.M.C.A. Buildings on Thursday 21st September and a coroial invitation is extended to all ameteurs to be present.

IM RG MOY COMMUNICATION NATIONE.

Mith the Battle of the Pacific randuly drawing to an end and hostilities getting closer to drawn it was located to expect that there would be seen re-organisation with regard to Mational Emergency Services.

The Fremier, Mr. T. J. McKell has decreed that whilst all exercises are to be reduced to a minimum, key personnel are to be retained.

The coint was stressed that the Network is now considered a very important if not the most important part of the F.3.3. organisation and no slackening off is to be observed. This indeed was a great compliment and reflects no little credit on the sylendic work that constators have done and will still continue to do.

Americases are now held on the First Thesday and Third Monday of each month and although the traffic handled is not as great as previously, enough messages are received to make the exercises quite interesting.

Here is a message to all Natrock personnel bearing upon crevious practicals. Tith the failing off in N.5.3. activities you may be reasonably for liven for feeting that there is not much use in attending your station each month. Fotting is further from the truly. I usk you to realise that the Natrock only came into being after a three years struggle to be recognised. The amateur movement has gained a trummnous advortisement from the operations of the Natrock. If it is decised that the Lapartment of Waisonal Kamargoory Survices is to be discontinued, it is up to every overator to see that the Natrock functions right up to the time that this uselsion is made JU TO IO NOTHING THAT WOULD HARREN HER DECISION. Quoting an extremally hypothetical case, it must never be said that one of the raisons for closing down N.S.S. has the failure of the Recie system. I trust I have made myself clear:

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VICTORIAN DIVISION .

This pivision has boun approached by the Portists Commission with a suggestion which by Institute Eumbers in certain country areas could co-operate with the Commission's Radio natwork. This at present no definite school has boun Polivad, Council in an observation what Mumbers and how they can easist in any School, a circular will be received by Hame in certain areas in the course of the next for days.

as pointed out earlier, only Hams in certain areas will receive this questionaire, which they ife asked to rule carefully, and at the same time answer the questions very carefully, as the information is vital to any scheme which may come into Eding. Haws receiving this questionaire are asked to treat the matter as INGNET.

Non-firencial members are notified that this issue SEFTEMBER will be the LAST forwarded until such time as they remay their subscriptions.

at last Council mouting all Officers were re-elected for the onsuing term. Messrs. R. Mirriott, Chairman of Council; R. A. C. amourson, Secretary; and J. G. Mirsland, Treasurer. Singulant A. R. (Bill) Williams was appointed to Council as Country Representative.

as promised in the Last issue of further report of the Annual General Mouting would be included in this issue. The mouting was presomantion by members of the services as well as being truly representative of all States including America. These included: Major D. Knock VERNE; F/L. John Traill VERIQ; F/D. H. Dongan VERAM; Sgt. Los Taylor VEROL; F/I R. G. Harris VERIQ; F/S H. Rangerfield VERNE; Hofer Ivan VERNE; F/S H. Reportfield VERNE; F/S M. Fox-creft VERUQ; Gaot. G. I. Patterson VERYP; Wing Commander W. Grenow VERYPC; and Charles Garway WERTM T/Sgnt. Victorian Council hopes that those Hams will be regular visitors at the moetings in futura.

Also present were representatives from the Vietorian Railways Institute Radio Cabe well known in pre-war days as VKSRI. These members of SRI were: Messrs, D'Brion, Orchard and Sykes. The Victorian Division extends a cordial invitation to all members of the Glub to attent the Victorian Division meetings.

Congratulations to Mr. and Mrs. Bruce Plowman (VK3QC) on the recent arrival of a YL on.

....000....

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